

MOLEX P/N	LENGTH	TOLERANCE	TWINAX CABLE		MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION	PINOUT TABLE
			IMPEDANCE	AWG			
2060611100	.3M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	A(WITHOUT SIDEBAND)
2060611101	.5M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	A(WITHOUT SIDEBAND)
2060611102	.7M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	A(WITHOUT SIDEBAND)
2060611103	1M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	A(WITHOUT SIDEBAND)
2060611150	.3M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	B(WITH SIDEBAND)
2060611151	.5M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	B(WITH SIDEBAND)
2060611152	.7M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	B(WITH SIDEBAND)
2060611153	1M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	B(WITH SIDEBAND)

- NOTES:
- MATERIALS:
    - BACKSHELLS - GLASS FILLED LCP, UL94-V0  
COLOR: BLACK
    - LATCHING - STAINLESS STEEL
    - CABLE - TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
      - SIGNAL PAIR: SOLID SILVER PLATED COPPER
      - DRAIN: SOLID TINNED COPPER
      - CONFORMS TO VW1
    - PCB - HALOGEN FREE
  - PLUG MATES TO RIGHT - ANGLE RECEPTACLE SERIES 171982 AND VERTICAL RECEPTACLE SERIES 171983
  - ROHS COMPLIANT. NO EXEMPTIONS
  - MINIMUM GAP FROM TAPE TO BACKSHELL IS ACCEPTABLE

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED P/N 1004361004	
	DIMENSION UNITS	SCALE		
▽ = 0	mm	5:1		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL	± 1.0°		
▽ = 0	4 PLACES	±		
▽ = 0	3 PLACES	±		
▽ = 0	2 PLACES	± 0.13		
▽ = 0	1 PLACE	± 0.25		
▽ = 0	0 PLACES	±		
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES	
		D-SIZE	206061	
EC NO: 600938		2018/07/03		
DRWN: NHSU01		2018/07/05		
CHK'D: VPENG01		2018/07/05		
APPR: VPENG01		2018/07/05		PRODUCT CUSTOMER DRAWING
INITIAL REVISION:				DOCUMENT NUMBER
DRWN: NHSU01		2018/04/10		2060611100
APPR: VPENG01		2018/04/19		DOC TYPE
				PSD
				DOC PART
				000
				REVISION
				B
				MATERIAL NUMBER
				SEE P/N TABLE
				CUSTOMER
				GENERAL MARKET
				SHEET NUMBER
				1 OF 4

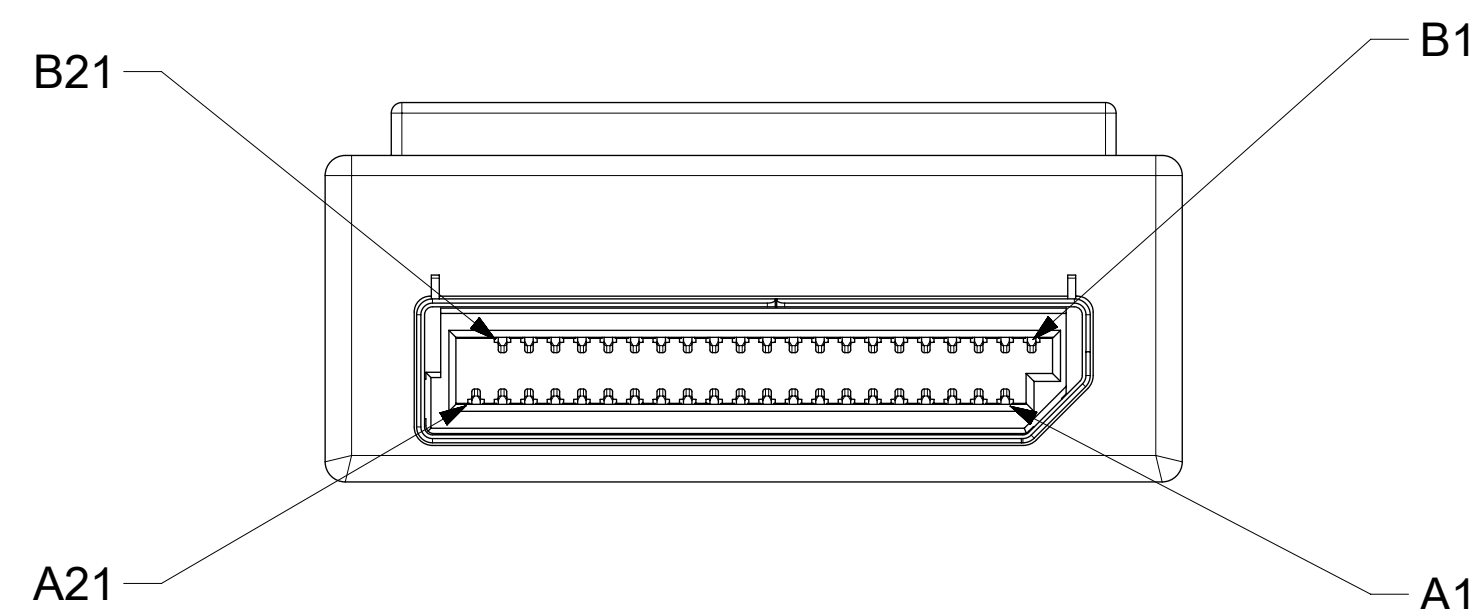
**PINOUT TABLE A**  
(WITHOUT SIDEBAND)

P1		SIGNAL TYPE	WIRE ID	P2	
PIN #	DESCRIPTION			PIN #	DESCRIPTION
A1	NO CONNECT	NC	NO WIRE	B1	NO CONNECT
A2	GROUND	----	TWINAX1	B2	GROUND
A3	PERp0	<---	TWINAX1	B3	PETp0
A4	PERn0	<---	TWINAX1	B4	PETn0
A5	GROUND	----	TWINAX2	B5	GROUND
A6	PERp1	<---	TWINAX2	B6	PETp1
A7	PERn1	<---	TWINAX2	B7	PETn1
A8	GROUND	----	TWINAX3	B8	GROUND
A9	BP_TYPE	<---	TWINAX3	B9	BP_TYPE
A10	CWAKE#	<-->	TWINAX3	B10	CWAKE#
A11	GROUND	NC	NO WIRE	B11	GROUND
A12	VSP+	--->	TWINAX4	B12	VSP+
A13	VSP-	--->	TWINAX4	B13	VSP-
A14	GROUND	----	TWINAX4	B14	GROUND
A15	PERp2	<---	TWINAX5	B15	PETp2
A16	PERn2	<---	TWINAX5	B16	PETn2
A17	GROUND	----	TWINAX5	B17	GROUND
A18	PERp3	<---	TWINAX6	B18	PETp3
A19	PERn3	<---	TWINAX6	B19	PETn3
A20	GROUND	----	TWINAX6	B20	GROUND
A21	NO CONNECT	NC	NO WIRE	B21	NO CONNECT
B1	NO CONNECT	NC	NO WIRE	A1	NO CONNECT
B2	GROUND	----	TWINAX7	A2	GROUND
B3	PETp0	--->	TWINAX7	A3	PERp0
B4	PETn0	--->	TWINAX7	A4	PERn0
B5	GROUND	----	TWINAX8	A5	GROUND
B6	PETp1	--->	TWINAX8	A6	PERp1
B7	PETn1	--->	TWINAX8	A7	PERn1
B8	GROUND	----	TWINAX9	A8	GROUND
B9	2-WIRE CLOCK	<-->	TWINAX9	A9	2-WIRE CLOCK
B10	2-WIRE DATA	<-->	TWINAX9	A10	2-WIRE DATA
B11	GROUND	NC	NO WIRE	A11	GROUND
B12	PERST#	<-->	TWINAX10	A12	PERST#
B13	CPRSNT#	<-->	TWINAX10	A13	CPRSNT#
B14	GROUND	----	TWINAX10	A14	GROUND
B15	PETp2	--->	TWINAX11	A15	PERp2
B16	PETn2	--->	TWINAX11	A16	PERn2
B17	GROUND	----	TWINAX11	A17	GROUND
B18	PETp3	--->	TWINAX12	A18	PERp3
B19	PETn3	--->	TWINAX12	A19	PERn3
B20	GROUND	----	TWINAX12	A20	GROUND
B21	NO CONNECT	NC	NO WIRE	A21	NO CONNECT

**PINOUT TABLE B**  
(WITH SIDEBAND)

P1		SIGNAL TYPE	WIRE ID	P2	
PIN #	DESCRIPTION			PIN #	DESCRIPTION
A1	A1	<-->	DISCRETE	B1	B1
A2	GROUND	----	TWINAX1	B2	GROUND
A3	PERp0	<---	TWINAX1	B3	PETp0
A4	PERn0	<---	TWINAX1	B4	PETn0
A5	GROUND	----	TWINAX2	B5	GROUND
A6	PERp1	<---	TWINAX2	B6	PETp1
A7	PERn1	<---	TWINAX2	B7	PETn1
A8	GROUND	----	TWINAX3	B8	GROUND
A9	BP_TYPE	<---	TWINAX3	B9	BP_TYPE
A10	CWAKE#	<-->	TWINAX3	B10	CWAKE#
A11	GROUND	<-->	DISCRETE	B11	GROUND
A12	VSP+	<---	TWINAX4	B12	VSP+
A13	VSP-	<---	TWINAX4	B13	VSP-
A14	GROUND	----	TWINAX4	B14	GROUND
A15	PERp2	<---	TWINAX5	B15	PETp2
A16	PERn2	<---	TWINAX5	B16	PETn2
A17	GROUND	----	TWINAX5	B17	GROUND
A18	PERp3	<---	TWINAX6	B18	PETp3
A19	PERn3	<---	TWINAX6	B19	PETn3
A20	GROUND	----	TWINAX6	B20	GROUND
A21	A21	<-->	DISCRETE	B21	B21
B1	B1	<-->	DISCRETE	A1	A1
B2	GROUND	----	TWINAX7	A2	GROUND
B3	PETp0	--->	TWINAX7	A3	PERp0
B4	PETn0	--->	TWINAX7	A4	PERn0
B5	GROUND	----	TWINAX8	A5	GROUND
B6	PETp1	--->	TWINAX8	A6	PERp1
B7	PETn1	--->	TWINAX8	A7	PERn1
B8	GROUND	----	TWINAX9	A8	GROUND
B9	2-WIRE CLOCK	--->	TWINAX9	A9	2-WIRE CLOCK
B10	2-WIRE DATA	--->	TWINAX9	A10	2-WIRE DATA
B11	GROUND	<-->	DISCRETE	A11	GROUND/SB
B12	PERST#	--->	TWINAX10	A12	PERST#
B13	CPRSNT#	--->	TWINAX10	A13	CPRSNT#
B14	GROUND	----	TWINAX10	A14	GROUND
B15	PETp2	--->	TWINAX11	A15	PERp2
B16	PETn2	--->	TWINAX11	A16	PERn2
B17	GROUND	----	TWINAX11	A17	GROUND
B18	PETp3	--->	TWINAX12	A18	PERp3
B19	PETn3	--->	TWINAX12	A19	PERn3
B20	GROUND	----	TWINAX12	A20	GROUND
B21	B21	<-->	DISCRETE	A21	A21

**NPIO 4X STR**



VIEW FROM MATING END OF CONNECTOR

**LEGEND**

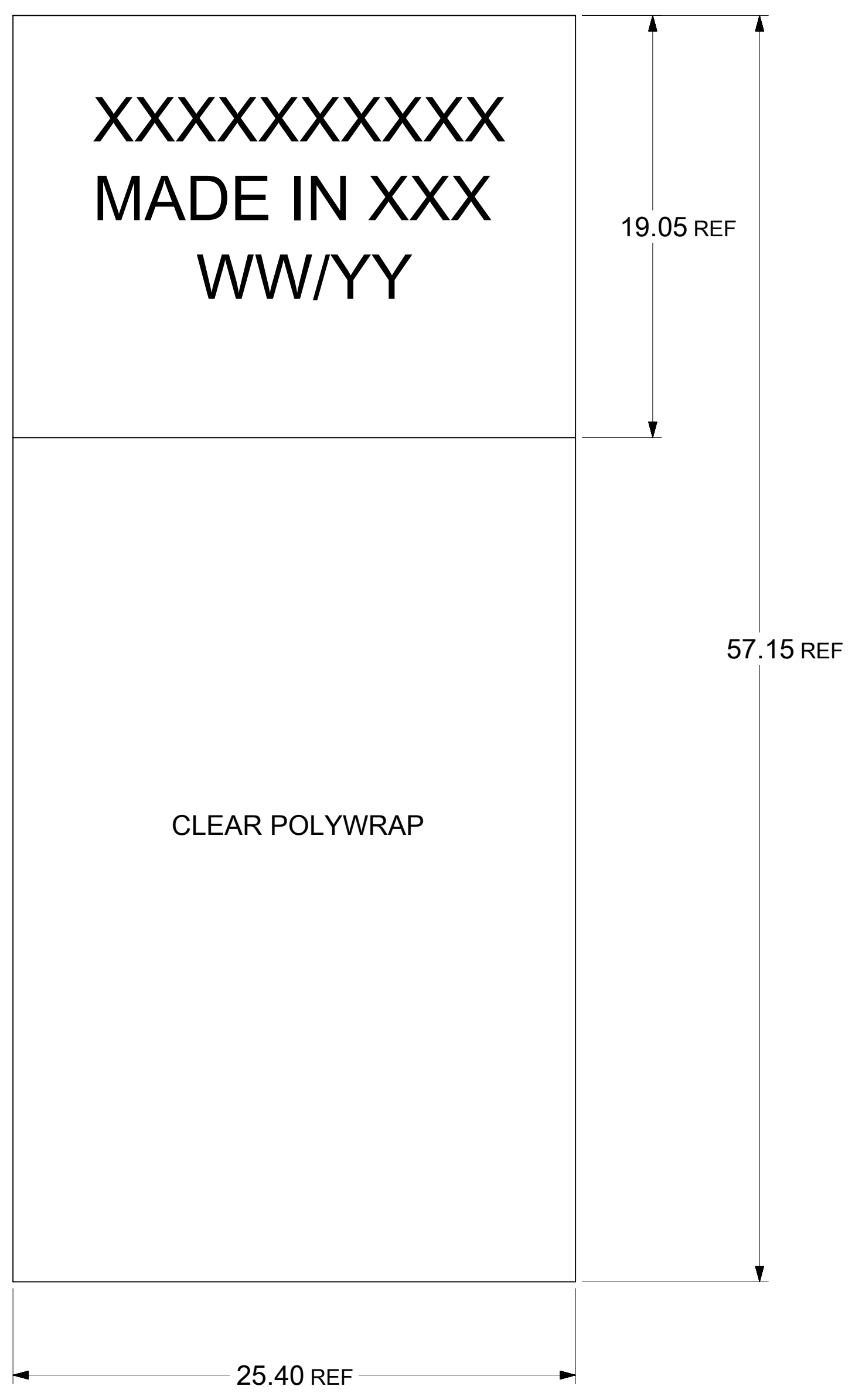
- = THRU LINE
- > = TRANSMIT TO RECEIVE ON HIGH SPEED LINE
- <--> = SIDEBAND
- NC = NOT CONNECTED

NOTE: CONNECTION DETERMINED BY PIN #. DESCRIPTION FOR REFERENCE ONLY.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED P/N 1004361004	
	mm	SCALE 10:1		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 600938	
▽ = 0	ANGULAR TOL ± 1.0°	DRWN: NHSU01 2018/07/03		
▽ = 0	4 PLACES ±	CHK'D: VPENG01 2018/07/05		
▽ = 0	3 PLACES ±	APPR: VPENG01 2018/07/05		
▽ = 0	2 PLACES ± 0.13	INITIAL REVISION:		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2060611100 DOC TYPE: PSD DOC PART: 000 REVISION: B
▽ = 0	1 PLACE ± 0.25	DRWN: NHSU01 2018/04/10		
▽ = 0	0 PLACES ±	APPR: VPENG01 2018/04/19		MATERIAL NUMBER: 206061 CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 4
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	

LABEL DETAIL

MOLEX P/N (SEE P/N TABLE) ----->  
 MANUFACTURING LOCATION ----->  
 MANUFACTURE DATE ----->  
 WW: WEEK OF YEAR  
 YY: LAST TWO DIGITS OF YEAR



SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED P/N 1004361004		<b>molex</b>  NANOPITCH TO NANOPITCH 4X, INT, STRAIGHT ACTIVE LATCH  PRODUCT CUSTOMER DRAWING
	DIMENSION UNITS	SCALE	EC NO: 600938		
	mm	1:1	DRWN: NHSU01	2018/07/03	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: VPENG01		2018/07/05
	ANGULAR TOL ± 1.0°		APPR: VPENG01		2018/07/05
	4 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER
	3 PLACES ±		DRWN: NHSU01		2018/04/10
	2 PLACES ± 0.13		APPR: VPENG01		2018/04/19
	1 PLACE ± 0.25		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOC TYPE
	0 PLACES ±		THIRD ANGLE PROJECTION		DOC PART
		DRAWING		REVISION	
		SERIES		206061	
		MATERIAL NUMBER		206061	
		CUSTOMER		GENERAL MARKET	
		SHEET NUMBER		3 OF 4	

DATE	REV	DESCRIPTION
2018/04/25	A	INITIAL RELEASE
2018/07/05	B	UPDATE PINOUT TABLE

<b>SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	DIMENSION UNITS <b>mm</b>	SCALE <b>1:1</b>	CURRENT REV DESC: ADDED P/N 1004361004	
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 600938	
= 0	ANGULAR TOL	± 1.0°	DRWN: NHSU01 2018/07/03	
= 0	4 PLACES	±	CHK'D: VPENG01 2018/07/05	
= 0	3 PLACES	±	APPR: VPENG01 2018/07/05	
= 0	2 PLACES	± 0.13	INITIAL REVISION:	
= 0	1 PLACE	± 0.25	DRWN: NHSU01 2018/04/10	DOCUMENT NUMBER <b>2060611100</b>
= 0	0 PLACES	±	APPR: VPENG01 2018/04/19	DOC TYPE PSD
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING <b>D-SIZE</b>	DOC PART 000
= 0			SERIES <b>206061</b>	REVISION <b>B</b>
			MATERIAL NUMBER	CUSTOMER
				GENERAL MARKET
				SHEET NUMBER 4 OF 4